

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

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www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

Florida Coastal Protective Manufacturing, Inc. 6950 N. W. 37th Court Miami, FL 33147

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series 2008 Aluminum Sliding Glass Door (Steel Reinforced)-L.M.I.

APPROVAL DOCUMENT: Drawing No. **AD12-47**, titled "Series 2008 Aluminum Sliding Glass Door (L.M.I.)", sheets 1 through 8 of 8, prepared by MCY Engineering Inc., dated 07/03/12 and last revised on OCT 03, 2012, signed and sealed by Yiping Wang, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant Limitations:

- 1. Full length Steel reinforcements at interlock & astragal stiles are required. Overall sill flange Height= 3.125" (sill item #1 + adapter item #8) required for exterior positive design pressure= +90 PSF.
- 2. Two (2) anchors are required per location except cluster at interlock/astragal stiles (see anchor layout).

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises & renews NOA # 08-0826.05 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

(MIAMI-DADE COUNTY)
APPROVED

NOA No. 12-0725.03 Expiration Date: August 23, 2017 Approval Date: October 18, 2012 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections (Submitted under file # 08-0826.05)
- 2. Drawing No. **AD12-47**, titled "Series 2008 Aluminum Sliding Glass Door (L.M.I.)", sheets 1 through 8 of 8, prepared by MCY Engineering Inc., dated 07/03/12 and last revised on OCT 03, 2012, signed and sealed by Yiping Wang, P.E.
- B. TESTS (Submitted under file # 08-0826.05)
 - 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Lab, Inc., Test Report No. FTL 5090 (07020), dated 04/17/07, signed and sealed by Michael Wenzel, P. E.

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by MCY Engineering Inc., dated 07/12/12 and last revised on OCT 03, 2012, signed and sealed by Yiping Wang, P.E.
- 2. Glazing complies w/ ASTME-1300-02 & -04

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

- 1. Notice of Acceptance No. 11-0624.02 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Sentry Glass ® Plus", expiring on 11/14/17.
- 2. Notice of Acceptance No. **08-1224.04** issued to Solutia, for "Saflex Composite interlayer w/ PET core", expiring on 12/11/2013.
- 3. Technical strength material data sheet of PolyOne GeonTM Flexible Vinyl by Central Plastis.

F. STATEMENTS

- 1. Statement letter of conformance and letter of no financial interest, prepared by MCY Engineering Inc., dated 06/08/12 and last revised on OCT 03, 2012, signed and sealed by Yiping Wang d, P.E.
- 2. Lab compliance as part of the above referenced test report.

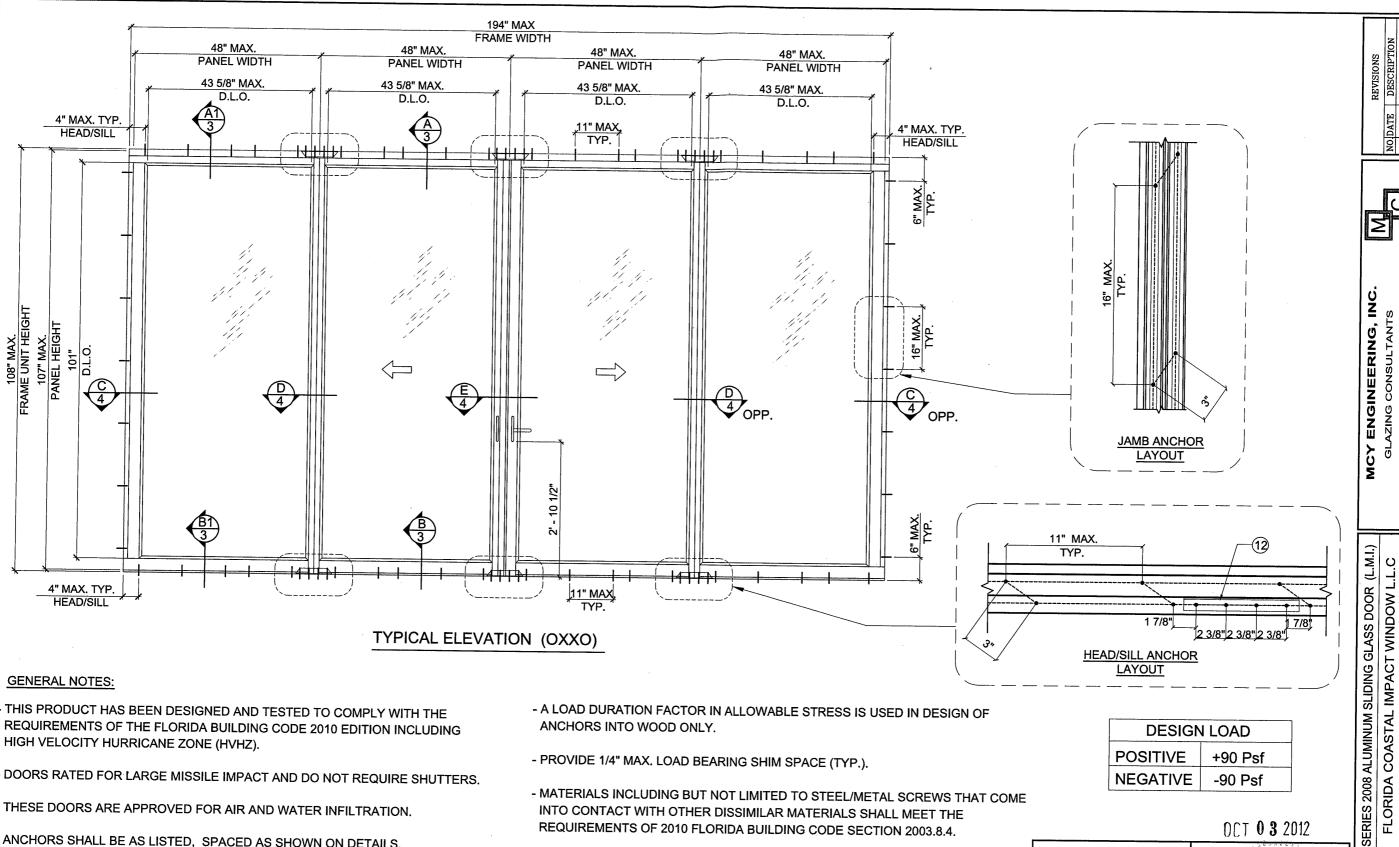
G. OTHER

- 1. This NOA revises & renews NOA # 08-0826.05, expiring on Sep. 11, 2013.
- 2. Test proposal, March 07, 2006 approved by BCCO.

Ishaq I. Chande, P.E.

Product Control Examiner NOA No. 08-0605.02

Expiration Date: August 23, 2017 Approval Date: October 18, 2012



- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2010 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DOORS RATED FOR LARGE MISSILE IMPACT AND DO NOT REQUIRE SHUTTERS.
- THESE DOORS ARE APPROVED FOR AIR AND WATER INFILTRATION.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL
- WOOD BUCKS BY OTHERS MUST BE SOUTHERN PINE, G = 0.55 AND MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

- A LOAD DURATION FACTOR IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- PROVIDE 1/4" MAX. LOAD BEARING SHIM SPACE (TYP.).
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2010 FLORIDA BUILDING CODE SECTION 2003.8.4.

- METAL STRUCTURES NOT BY FLORIDA COASTAL IMPACT WINDOWS LLC MUST SUPPORT LOADS IMPOSED BY WINDOW SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

DESIGN LOAD POSITIVE +90 Psf **NEGATIVE** -90 Psf

DET 0 3 2012

YIPING WANG, P.E. FLORIDA REGISTRATION PE #55983.

DATE	07/13/2012			
SCALE	AS SHOWN			
PRAWN	A.R.			
ROJECT	12-111			
DRAWING NO.				

940 W 84 STREET

305.271.0117 786.573.5063

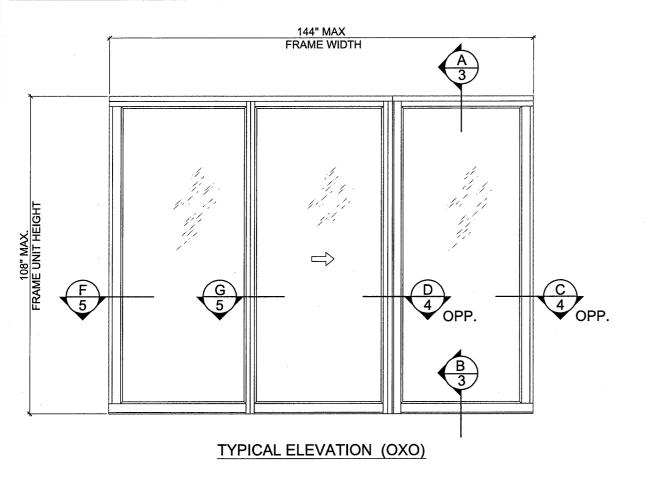
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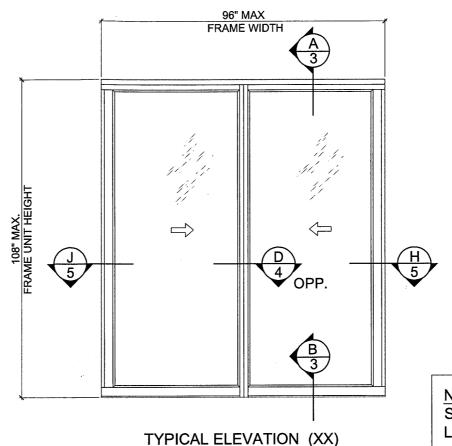
9110 SW SUNSET DRIVE. MIAMI, FL 33173

SHEET 1 OF 8

AD12-47

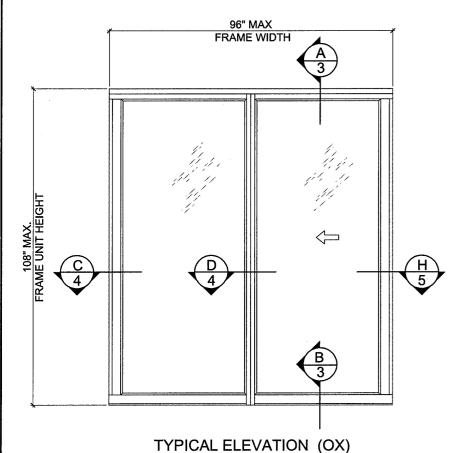
MIAMI DADE COUNTY





NOTE:

SEE ANCHOR AND CLIP LAYOUT PER SHEET 1 OF 8



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' OR 'B' 1/4" DIA. HILTI KWIK-CON II fy= 157 Ksi fu= 163 Ksi OR 1/4" ULTRACON fy= 155 Ksi fu= 177 Ksi

> THRU 1BY OR 2BY WOOD BUCKS INTO MASONRY OR CONC. 1-1/4" MIN. EMBED INTO MASONRY OR CONC. 1-1/2" MIN. EMBED INTO 2X WOOD BUCKS OR WOOD STRUCTURAL

1/4" DIA. HILTI KWIK-CON II OR 1/4" ULTRACON DIRECTLY INTO MASONRY OR CONCRETE 1-1/4" MIN. EMBED INTO CONCRETE

TYPE 'C' 1/4" TEKS OR SELF DRILLING SCREWS - GRADE 5

INTO METAL STRUCTURES

STEEL: 1/8" MIN. THICKNESS (Fy = 36 KSI MIN.) ALUMINUM: 1/8" THK. MIN. (6063—T5 MIN.) (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

MIN. EDGE DISTANCES

INTO CONCRETE AND MASONRY = 2" (1/4" SHIMS) INTO WOOD STRUCTURE = 1"

INTO METAL STRUCTURE = 3/4"

CONCRETE f'c = 3000 PSI MIN. MASONRY f'm = 2000 PSI MIN

1X OR 2X WOOD BUCKS AND METAL STRUCTURES NOT BY FLORIDA COASTAL IMPACT WINDOW, LLC. MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

SEALANTS:

ALL FRAME AND PANEL JOINT, INSTALLATION SCREWS AND HEADS OF ANCHOR SCREWS AT SILL TO BE SEALED WITH WHITE/ALUM COLORED SEALANT.

LOCKS:

SURFACE MOUNT THREE PLY HOOK LOCK BY 'WORLD INDUSTRIAL PRODUCTS' AT 41-1/2" FROM BOTTOM WITH KEEPERS AT LOCK POSITION.

WEEPS:

W1 = 1/2" WEEP ONE AT EACH END OF SILL FRAME

OCT **0 3** 2012

YIPING WAND, P.E. LORIDA REGISTRATION PE #55985. C.A.N. 28677 No 55983

MIAMI DADE COUNTY

DRAWN AD12-47

305.271.0117 786.573.5063 MCY ENGINEERING, INC.

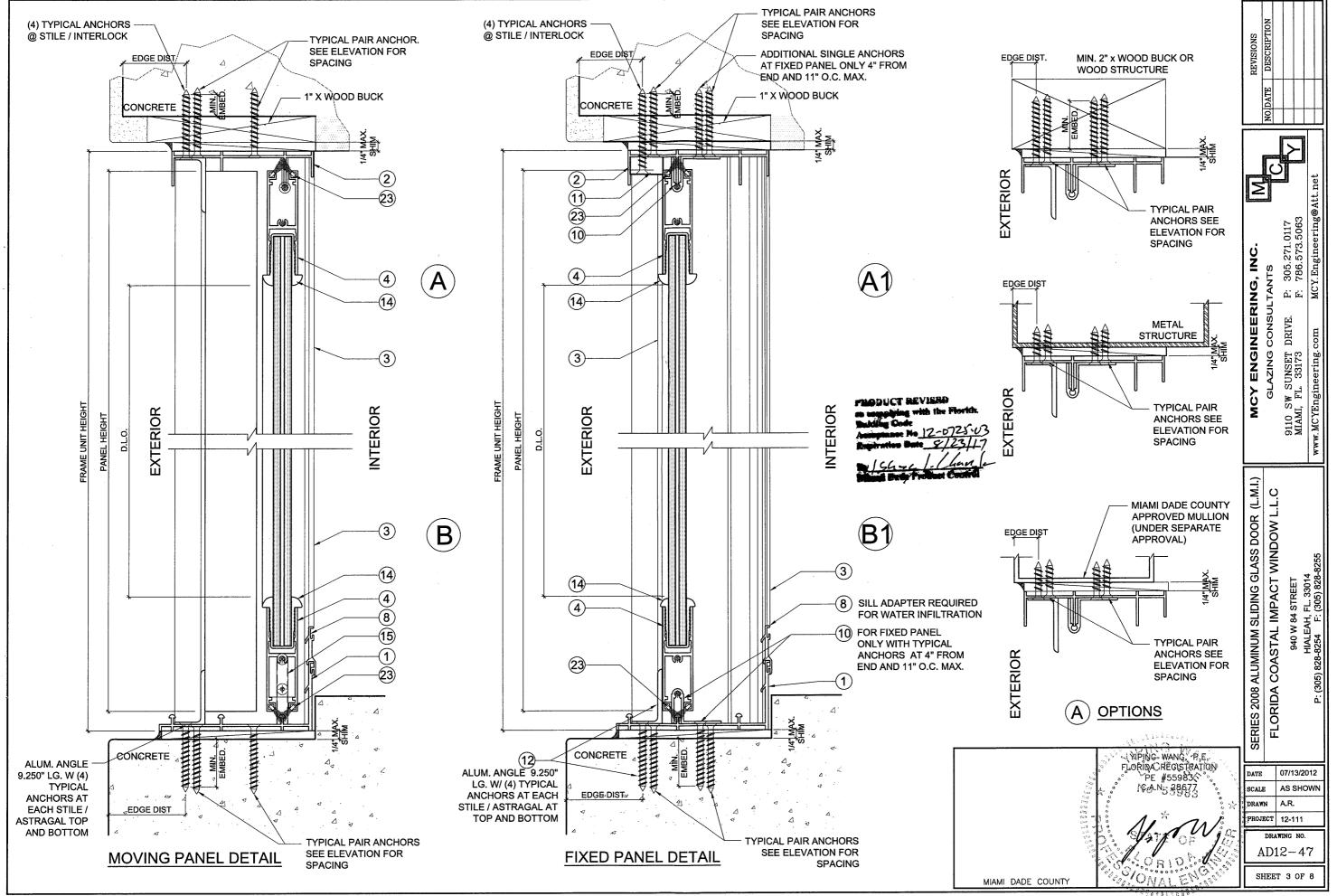
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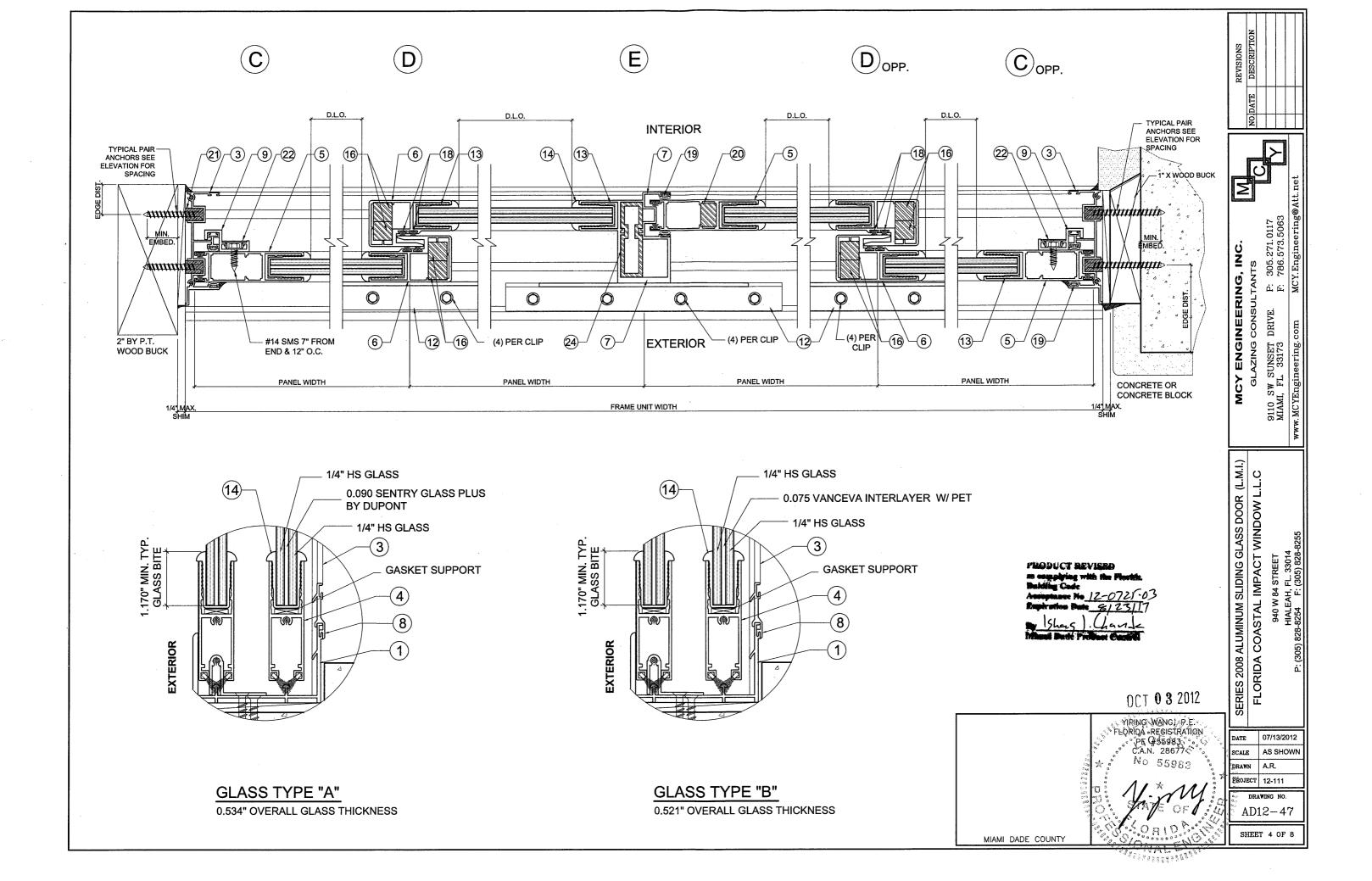
SERIES 2008 ALUMINUM SLIDING GLASS DOOR (L.M.I.) FLORIDA COASTAL IMPACT WINDOW L.L.C

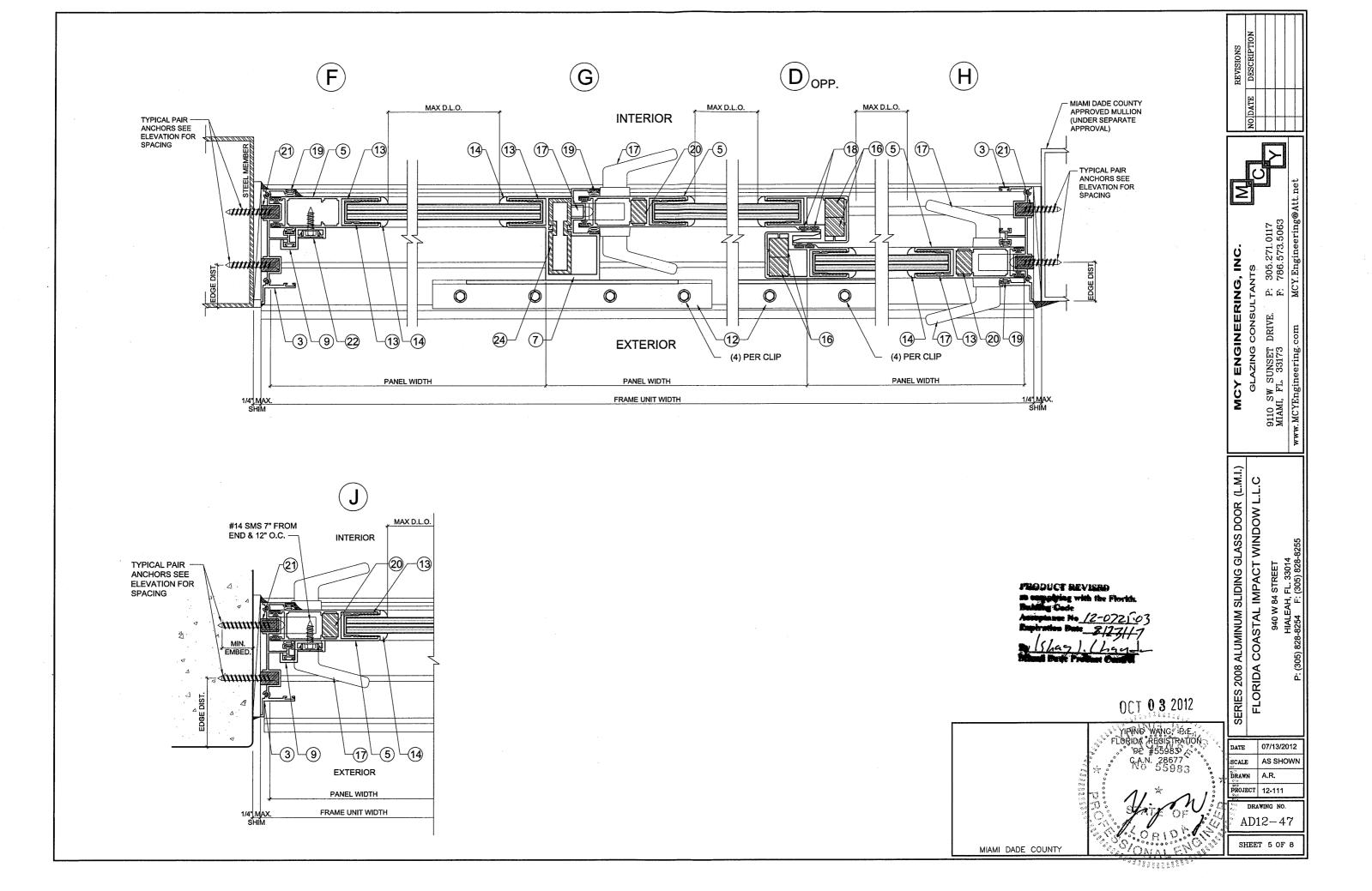
940 W 84 STREET HIALEAH, FL. 33014 : (305) 828-8254 F: (305) 828-8

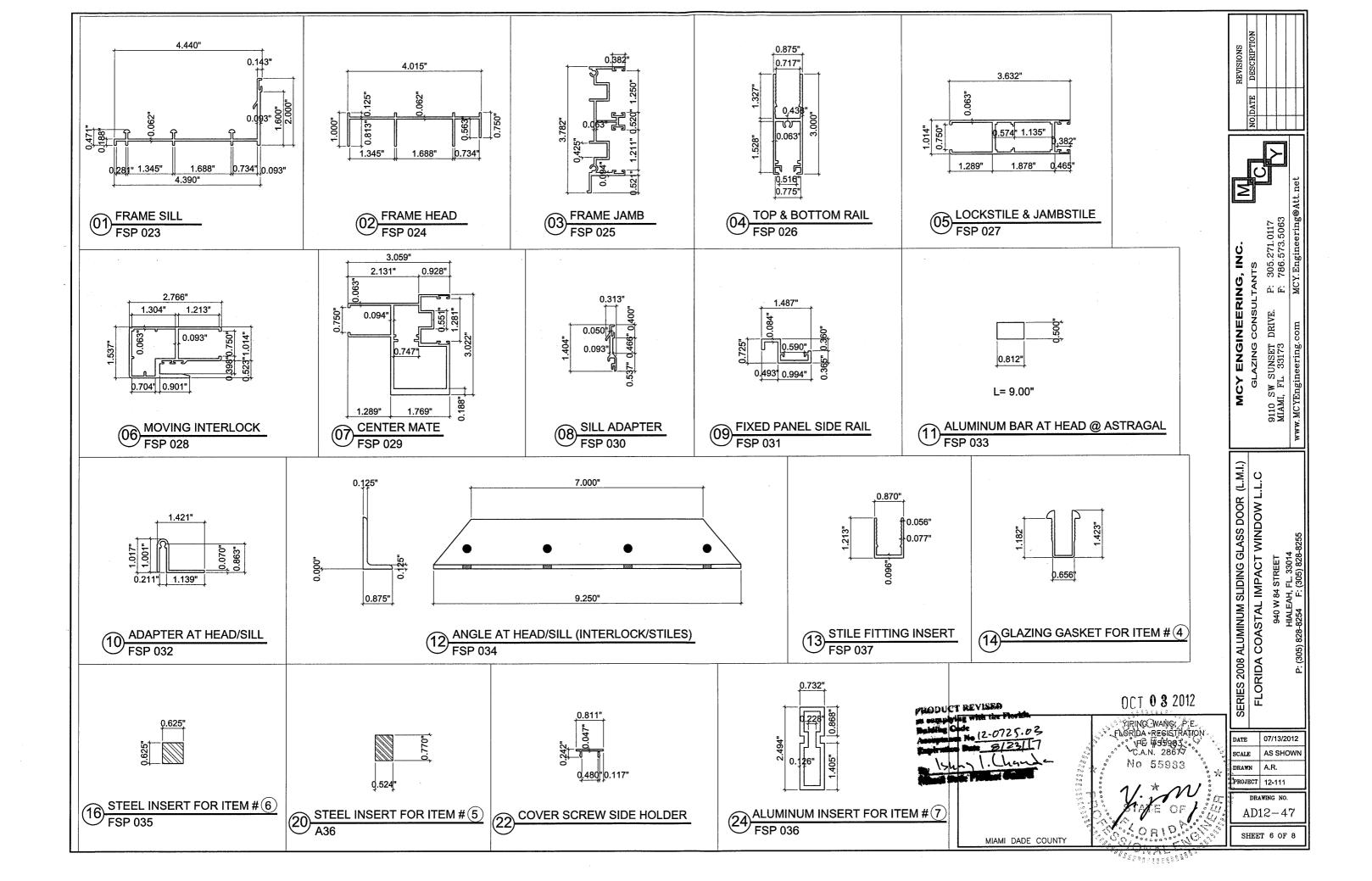
07/13/2012 AS SHOW A.R. PROJECT 12-111 DRAWING NO.

SHEET 2 OF 8









BILL OF MATERIALS

ITEM#	PROFILE	DESCRIPTION	MATERIAL	MANUFACTURER/REMARKS
1	FSP 023	FRAME SILL	6063-T6 ALLOY	FLORIDA COASTAL IMPACT WINDOW
2	FSP 024	FRAME HEAD	6063-T6 ALLOY	FLORIDA COASTAL IMPACT WINDOW
3	FSP 025	FRAME JAMB	6063-T6 ALLOY	FLORIDA COASTAL IMPACT WINDOW
4	FSP 026	TOP AND BOTTOM RAIL	6063-T6 ALLOY	FLORIDA COASTAL IMPACT WINDOW
5	FSP 027	LOCKSTILE AND JAMBSTILE	6063-T6 ALLOY	FLORIDA COASTAL IMPACT WINDOW
6	FSP 028	MOVING INTERLOCK	6063-T6 ALLOY	FLORIDA COASTAL IMPACT WINDOW
7	FSP 029	CENTER MATE	6063-T6 ALLOY	FLORIDA COASTAL IMPACT WINDOW
8	FSP 030	SILL ADAPTER	6063-T6 ALLOY	FLORIDA COASTAL IMPACT WINDOW
9	FSP 031	FIXED PANEL SIDE RAIL	6063-T6 ALLOY	FLORIDA COASTAL IMPACT WINDOW
10	FSP 032	ADAPTER HEAD/SILL	6063-T6 ALLOY	FLORIDA COASTAL IMPACT WINDOW
11	FSP 033	0.500" X 0.812" ALUMINUM BAR	6063-T6 ALLOY	FLORIDA COASTAL IMPACT WINDOW
12	FSP 034	ANGLE AT TOP AND BOTTOM 9 1/4" LONG	6063-T6 ALLOY	FLORIDA COASTAL IMPACT WINDOW
13	FSP 037	STILE FITTING INSERT	6063-T6 ALLOY	FLORIDA COASTAL IMPACT WINDOW
14	-	GLAZING GASKET	FLEXIBLE PVC	CENTRAL PLASTICS. DUROMETER 80 ± 5 SHORE A
15	-	TANDEM ROLLER REGULAR (SS) ONE @ EA. END OF EA. MOVING PANEL W/ (4) #8 X 3/4" SMS EA. PANEL	STAINLESS STEEL WHEELS	AMESBURY
16	FSP 035	5/8" X 5/8" STEEL BAR, ZINC PLATED	STEEL	ASTM A36
17	-	OPTIONAL HANDLE W/ 4 #8X3/4" F.H. SMS TO STILE AT LOCK/KEEPER END	ALUMINUM	AMESBURY
18	-	WEATHER STRIP	POLYPROPYLENE	W13241 NW, ULTRAFAB INC.
19	-	BULB: 8201-60. BASE: 203-50, 0.270" BASE BULB SEAL	AES SANTOPRENE	CENTRAL PLASTICS
20		1/2" X 3/4"STEEL INSERT FOR ITEM # (5)	STEEL	ASTM A36
21	-	INSERT FOR FRAME JAMB	6063-T6 ALLOY	FLORIDA COASTAL IMPACT WINDOW
22	ALH-195	COVER SCREW SIDE HOLDER	6063-T6 ALLOY	FLORIDA COASTAL IMPACT WINDOW
23	<u> </u>	WHEATHER STRIP	POLYPROPYLENE	W23261NK, ULTRAFAB, INC.
24	FSP 036	TUBE SUPPORT FOR COMPONENT ITEM # (7)	6063-T6 ALLOY	FLORIDA COASTAL IMPACT WINDOW

REVISIONS
NO DATE DESCRIPTION

P: 305.271.0117 F: 786.573.5063 MCY.Engineering@Att.net

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
9110 SW SUNSET DRIVE. P: 305.271.011
MIAMI, FL. 33173 F: 786.573.506
www.MCYEngineering.com MCY.Engineerin

SERIES 2008 ALUMINUM SLIDING GLASS DOOR (L.M.I.) FLORIDA COASTAL IMPACT WINDOW L.L.C 940 W 84 STREET HIALEAH, FL. 33014 P: (305) 828-8255

07/13/2012 AS SHOWN SCALE DRAWN A.R. PROJECT 12-111

DRAWING NO. AD12-47

SHEET 7 OF 8

OCT 0 3 2012

VIRING WANG, P.E.
FLORIDA REGISTRATION
P. FLORIDA REGISTRATION
C.A.N. 28677 MIAMI DADE COUNTY

